

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P03/045-do/jl	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2004/002406	International filing date (day/month/year) 09/03/2004	(Earliest) Priority Date (day/month/year) 24/03/2003
Applicant MERCK PATENT GMBH		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).



- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2.



Certain claims were found unsearchable (See Box II).

3.



Unity of invention is lacking (see Box III).

4. With regard to the **title**,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

OXAMIDE DERIVATIVES USEFUL AS RAF-KINASE INHIBITORS

5. With regard to the **abstract**,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. _____



as suggested by the applicant.



as selected by this Authority, because the applicant failed to suggest a figure.



as selected by this Authority, because this figure better characterizes the invention.



- b. none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/002406

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D213/68 C07D413/12 C07D213/81 A61P31/00 A61K31/4427
A61P17/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 02/062763 A (RIEDL BERND ; LOWINGER TIMOTHY B (JP); DUMAS JACQUES (US); RENICK JOEL) 15 August 2002 (2002-08-15) claims; examples	1-3,9-28
X	table 4	31
Y	EP 1 127 883 A (HOFFMANN LA ROCHE) 29 August 2001 (2001-08-29) claims; examples	1-3,9-28
Y	EP 0 847 992 A (MITSUI CHEMICALS INC) 17 June 1998 (1998-06-17) compound 126claims	1-3,9-28
A	DE 101 23 574 A (SCHERING AG) 28 November 2002 (2002-11-28) the whole document	1,9-28
-/-		

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

7 June 2004

Date of mailing of the international search report

08. 07. 2004

Name and mailing address of the ISA

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Authorized officer

Bosma, P

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/002406

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE CHEMCATS CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 2001, XP002283160 Order Number NS14800 and NS45247 abstract & "PHARMA LIBRARY COLLECTION" January 2001 (2001-01), NANOSYN COMBINATORIAL SYNTHESIS INC. , MENLO PARK, CA, 94025, USA -----	1-4
X	EP 0 138 757 A (CIBA-GEIGY A.-G. , SWITZ.) 24 April 1985 (1985-04-24) claim 1; examples -----	1-4
X,P	WO 2004/004720 A1 (ASTEX TECHNOLOGY LIMITED, UK) 15 January 2004 (2004-01-15) the whole document -----	1-4,9-28

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2004/002406

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 13,15-22,25-28 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/002406

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02062763	A	15-08-2002	US 2002165394 A1 WO 02062763 A2	07-11-2002 15-08-2002
EP 1127883	A	29-08-2001	AU 2315401 A BR 0100790 A CA 2337588 A1 CN 1310179 A CZ 20010667 A3 EP 1127883 A2 HR 20010127 A1 HU 0100836 A2 ID 29372 A JP 2001261663 A NO 20010900 A PL 346098 A1 US 2002052513 A1	30-08-2001 25-09-2001 24-08-2001 29-08-2001 17-10-2001 29-08-2001 31-12-2001 28-10-2001 30-08-2001 26-09-2001 27-08-2001 27-08-2001 02-05-2002
EP 0847992	A	17-06-1998	EP 0847992 A1 JP 3354090 B2 JP 10152462 A JP 2002332267 A US 6174905 B1	17-06-1998 09-12-2002 09-06-1998 22-11-2002 16-01-2001
DE 10123574	A	28-11-2002	DE 10123574 A1 CA 2453223 A1 WO 02090352 A2 EP 1392680 A2	28-11-2002 14-11-2002 14-11-2002 03-03-2004
EP 0138757	A	24-04-1985	AT 47384 T AU 583015 B2 AU 3238084 A BR 8404241 A CA 1245665 A1 DE 3480199 D1 EP 0138757 A1 ES 8506265 A1 GB 2145716 A, B IL 72759 A TR 23746 A US 4656183 A JP 60084250 A ZA 8406616 A	15-11-1989 20-04-1989 28-02-1985 23-07-1985 29-11-1988 23-11-1989 24-04-1985 01-11-1985 03-04-1985 31-05-1988 01-08-1990 07-04-1987 13-05-1985 28-08-1985
WO 2004004720	A1	15-01-2004	NONE	

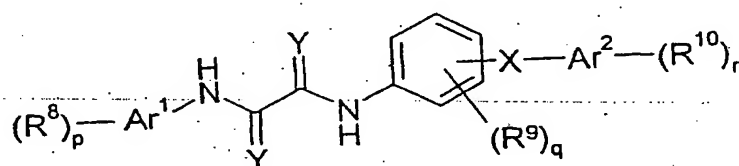
INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2004/002406

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

The present invention relates to oxamide derivatives of formula II



the use of the compounds of formula II as inhibitors of raf-kinase, the use of the compounds of formula II for the manufacture of a pharmaceutical composition and a method of treatment, comprising administering said pharmaceutical composition to a patient.

Aktenzeichen: P03/045

Nr.	Entgegenhaltung	Prüfbescheid vom	Land	gesendet an/ Datum /Kürzel
1	WO 02/062763 A	22.06.2004	PCT	
2	EP 1 127 883 A	22.06.2004	PCT	
3	EP 0 847 992 A	22.06.2004	PCT	
4	DE 101 23 574 A	22.06.2004	PCT	
5	XP002283160	22.06.2004	PCT	
6	EP 0 138 757 A	22.06.2004	PCT	
7	WO 2004/004720 A1	22.06.2004	PCT	
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